

Claims

1. A communication method in a wireless telecommunications system including a network infrastructure connected to at least one server for providing data streaming communication where a data stream is communicated from the server to a mobile terminal over a radio interface provided by the network infrastructure, the method including:

- performing data streaming communication to the mobile terminal;
- receiving a communication connection request message from the network infrastructure in the mobile terminal;
- indicating reception of the communication connection request to a user of the mobile terminal;
- receiving in the mobile terminal a first mode change command generated by the user;
- requesting for suspension of the data streaming communication on the basis of the first mode change command; and
- accepting the communication connection on the basis of the first mode change command.

2. The method of claim 1, wherein the step of requesting includes:

- generating a transmission suspension message on the basis of the first mode change command, the transmission suspension message informing the server to suspend transmission of the data stream; and
- transmitting the transmission suspension message to the server over the radio interface provided by the network infrastructure.

3. The method of claim 1, further including:

- generating a communication connection acceptance message on the basis of the first mode change command;
- requesting for suspension of the data streaming communication on the basis of the communication connection acceptance message; and
- transmitting the communication connection acceptance message to the network infrastructure.

4. The method of claim 1, further including:

- generating a transmission suspension message on the basis of the first mode change command, the transmission suspension message informing the server to suspend transmission of the data stream;
- transmitting the transmission suspension message to the server over the radio interface provided by the network infrastructure; and

accepting the communication connection on the basis of the transmission suspension message.

5. The method of claim 1, further including:

generating a connection suspension message on the basis of the first mode change command, the connection suspension message requesting the network infrastructure to release a radio connection providing the data streaming communication; and

transmitting the connection suspension message to the network infrastructure.

6. The method of claim 1, further including:

receiving in the mobile terminal a second mode change command generated by the user;

releasing the communication connection on the basis of the second mode change command; and

requesting for continuation of the data streaming communication on the basis of the second mode change command.

7. The method of claim 1, further including:

receiving a communication connection release message from the network infrastructure;

indicating the reception of the communication connection release message to the user;

receiving in the mobile terminal a third mode change command generated by the user;

requesting for continuation of the data streaming communication on the basis of the third mode change command.

8. The method of claim 1, further including:

receiving a communication connection release message from the network infrastructure;

requesting for continuation of the data streaming communication on the basis of the connection release message.

9. A mobile terminal of a wireless telecommunications system including a network infrastructure connected to at least one server for providing data streaming communication where a data stream is communicated from the server to a mobile terminal over a radio interface provided by the network infrastructure, the mobile terminal including:

a communicating unit for performing data streaming communication to the mobile terminal;

a message receiving unit for receiving a communication connection request message from the network infrastructure;

an indicating device connected to the message receiving unit, for indicating reception of the communication connection request message to a user of the mobile terminal;

a command receiving device for receiving a first mode change command generated by the user;

a data streaming control unit operationally connected to the command receive device and the communicating unit, for requesting for suspension of the data streaming communication on the basis of the first mode change command; and

a communication connection control unit operationally connected to the command receive device, for accepting the communication connection on the basis of the first mode change command.

10. The mobile terminal of claim 9, wherein the data streaming control unit is configured to generate a transmission suspension message on the basis of the first mode change command, the transmission suspension message informing the server to suspend transmission of the data stream; and

the data streaming control unit is configured to transmit the transmission suspension message to the server over the radio interface provided by the network infrastructure.

11. The mobile terminal of claim 9, wherein the communication connection control unit is configured to generate a communication connection acceptance message on the basis of the first mode change command;

the communication connection control unit is configured to transmit the communication connection acceptance message to the network infrastructure;

the data streaming control unit is connected to the connection control unit; and

the data streaming control unit is configured to request for suspension of the data streaming communication on the basis of the communication connection acceptance message.

12. The mobile terminal of claim 9, wherein the data streaming control unit is configured to generate a transmission suspension message on the

basis of the first mode change command, the transmission suspension message informing the server to suspend transmission of the data stream;

the data streaming control unit is connected to the communication connection control unit;

the data streaming control unit is configured to transmit the transmission suspension message to the server over the radio interface 118A, 118B provided by the network infrastructure; and

the communication connection control unit is configured to accept the communication connection on the basis of the transmission suspension message.

13. The mobile terminal of claim 9, further including:

a data streaming radio connection control unit operationally connected to the command receive device, for generating a connection suspension message on the basis of the first mode change command, the connection suspension message requesting the network infrastructure to release a radio connection providing the data streaming communication; and

the data streaming radio connection control unit is configured to transmit the connection suspension message to the network infrastructure.

14. The mobile terminal claim 9, wherein the command receive device is configured to receive a second mode change command generated by the user;

the communication connection control unit is configured to release the communication connection on the basis of the second mode change command; and

the data streaming control unit is configured to request for continuation of the data streaming communication on the basis of the second mode change command.

15. The mobile terminal of claim 9, wherein the message receiving unit is configured to receive a communication connection release message from the network infrastructure;

the indicating device is configured to indicate the reception of the communication connection release message to the user;

the command receive device is configured to receive a third mode change command generated by the user;

the data streaming control unit is configured to request for continuation of the data streaming communication on the basis of the third mode change command.

16. The mobile terminal of claim 9, wherein the message receiving unit is configured to receive a communication connection release message from the network infrastructure;

the data streaming control unit is connected to the message receiving unit; and

the data streaming control unit is configured to request for continuation of the data streaming communication on the basis of the communication connection release message.

17. A computer program embodied on a computer readable medium, for executing a computer process in a wireless telecommunications system including a network infrastructure connected to at least one server for providing services for mobile terminals by using the network infrastructure, the computer process including:

performing a data streaming communication to the mobile terminal;

receiving a communication connection request message from the network infrastructure in the mobile terminal;

indicating reception of the communication connection request to a user of the mobile terminal;

receiving in the mobile terminal a first mode change command generated by the user;

requesting for suspension of the data streaming communication on the basis of the first mode change command; and

accepting the communication connection on the basis of the first mode change command.

18. The computer program of claim 17, wherein the step of requesting includes:

generating a transmission suspension message on the basis of the first mode change command, the transmission suspension message informing the server to suspend transmission of the data stream; and

transmitting the transmission suspension message to the server over the radio interface provided by the network infrastructure.

19. The computer program of claim 17, wherein the computer process further includes:

generating a communication connection acceptance message on the basis of the first mode change command;

requesting for suspension of the data streaming communication on the basis of the communication connection acceptance message; and

transmitting the communication connection acceptance message to the network infrastructure.

20. The computer program of claim 17, wherein the computer process further includes:

generating a transmission suspension message on the basis of the first mode change command, the transmission suspension message informing the server to suspend the transmission of the data stream;

transmitting the transmission suspension message to the server over the radio interface provided by the network infrastructure; and

accepting the communication connection on the basis of the transmission suspension message.

21. The computer program of claim 17, wherein the computer process further includes:

generating a connection suspension message on the basis of the first mode change command, the connection suspension message requesting the network infrastructure to release a radio connection providing the data streaming communication; and

transmitting the connection suspension message to the network infrastructure.

22. The computer program of claim 17, wherein the computer process further includes:

receiving in the mobile terminal a second mode change command generated by the user;

releasing the communication connection on the basis of the second mode change command; and

requesting for continuation of the data streaming communication on the basis of the second mode change command.

23. The computer program of claim 17, wherein the computer process further includes:

receiving a communication connection release message from the network infrastructure;

indicating reception of the communication connection release message to the user;

receiving in the mobile terminal a third mode change command generated by the user;

requesting for continuation of the data streaming communication on the basis of the third mode change command.

24. The computer program of claim 17, wherein the computer process further includes:

receiving a communication connection release message from the network infrastructure;

requesting for continuation of the data streaming communication on the basis of the connection release message.